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SMITT: SCANDINAVIAN FISHES

A HISTORY OF  
**SCANDINAVIAN FISHES**

BY

B. FRIES, C. U. EKSTRÖM, AND C. SUNDEVALL

WITH PLATES

BY

W. VON WRIGHT



SECOND EDITION

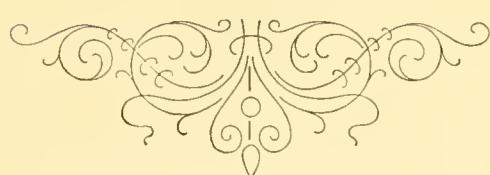
REVISED AND COMPLETED BY

F. A. SMITT



PLATES

PART I



MCZ  
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CAME

STOCKHOLM 1892

KUNGL. BOKTRYCKERIET. P. A. NORSTEDT & SÖNER

# SCANDINAVIAN FISHES

SECOND EDITION



## C O N T E N T S.

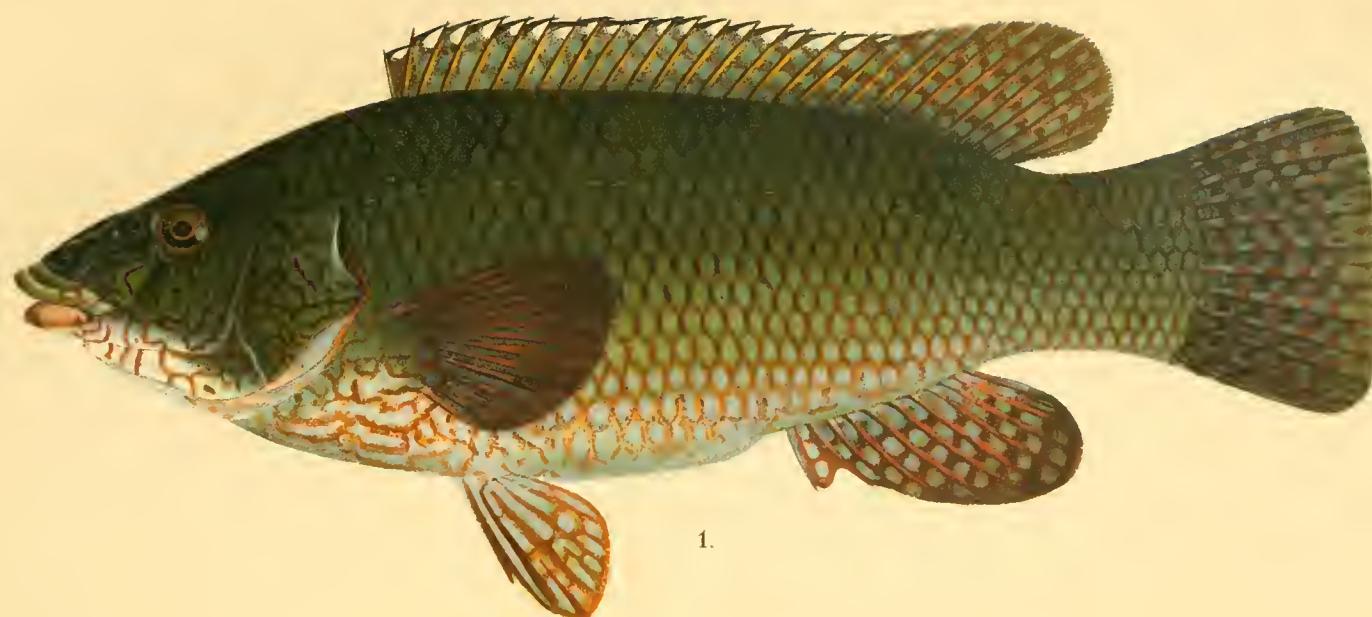
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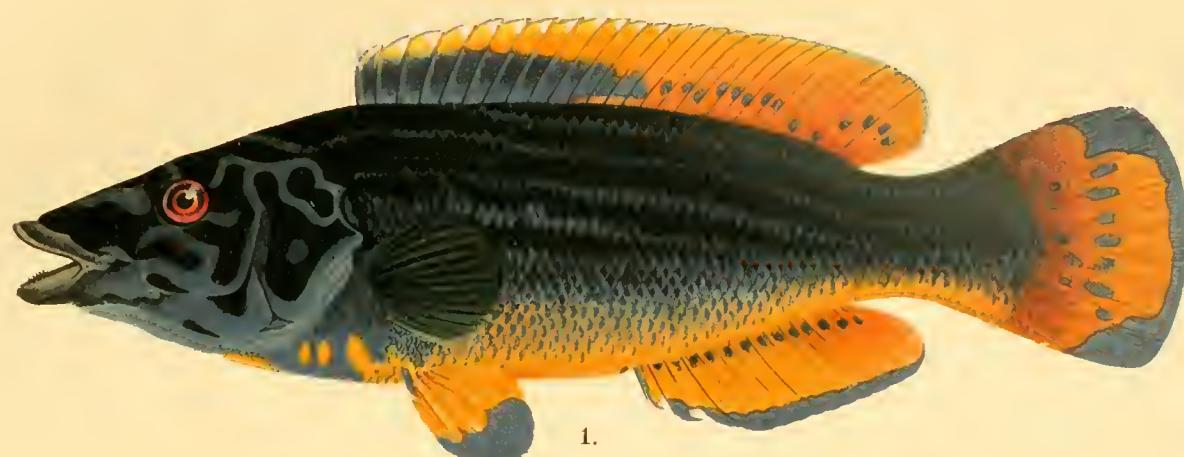
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3.

1: *Labrus bergylta*; 2: *Labrus rupestris*; 3: *Labrus exoletus*.

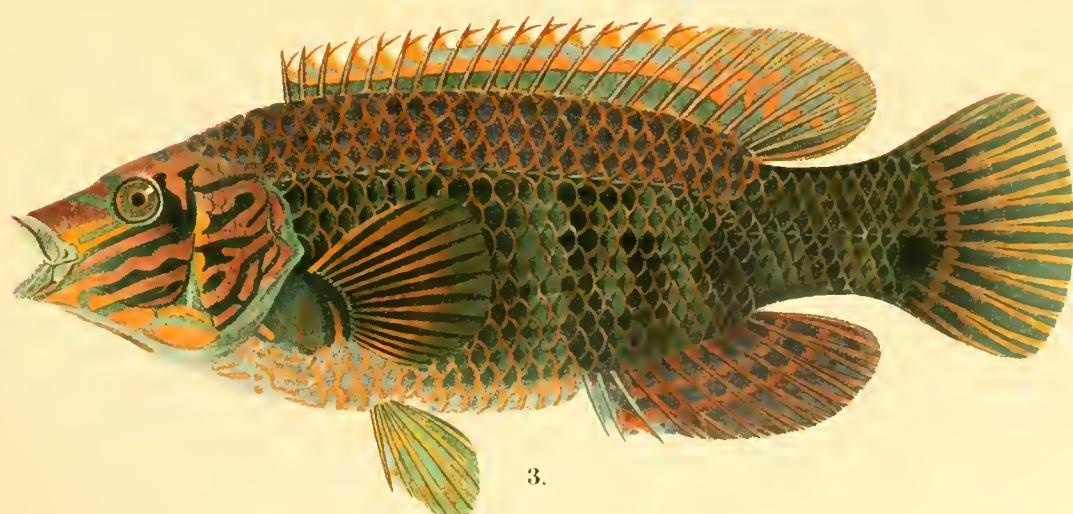
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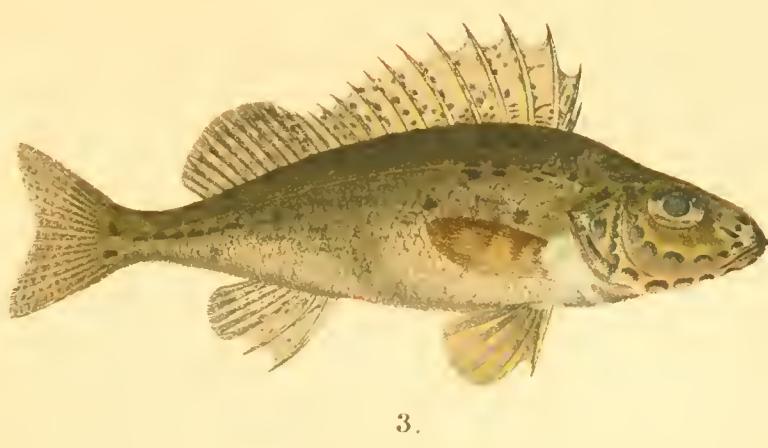
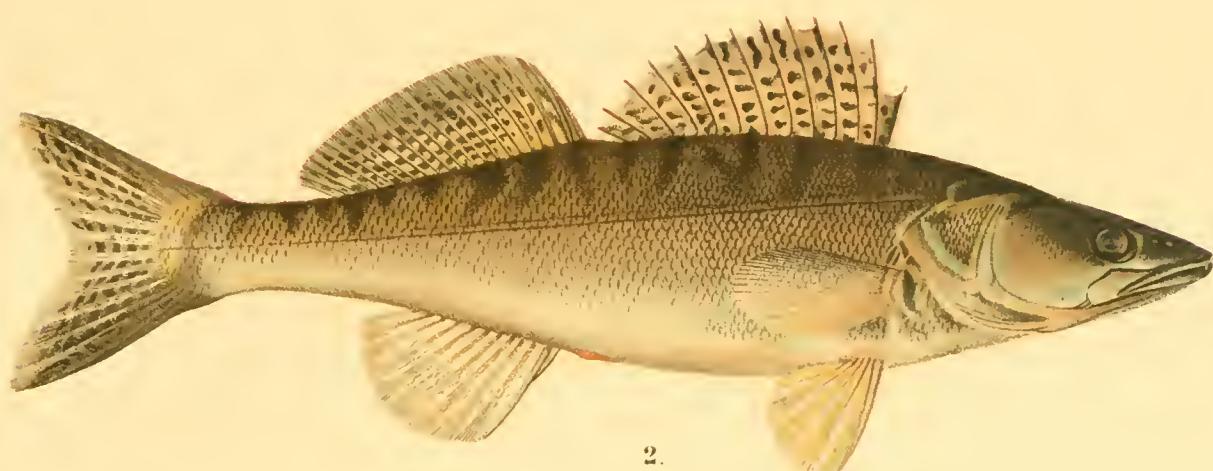
2.



3.

1 et 2: *Labrus mixtus*, 1=♂, 2=♀; 3: *Labrus melops*.

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1: *Perca fluviatilis*; 2: *Stizostedium lucioperca*; 3: *Acerina cernua*

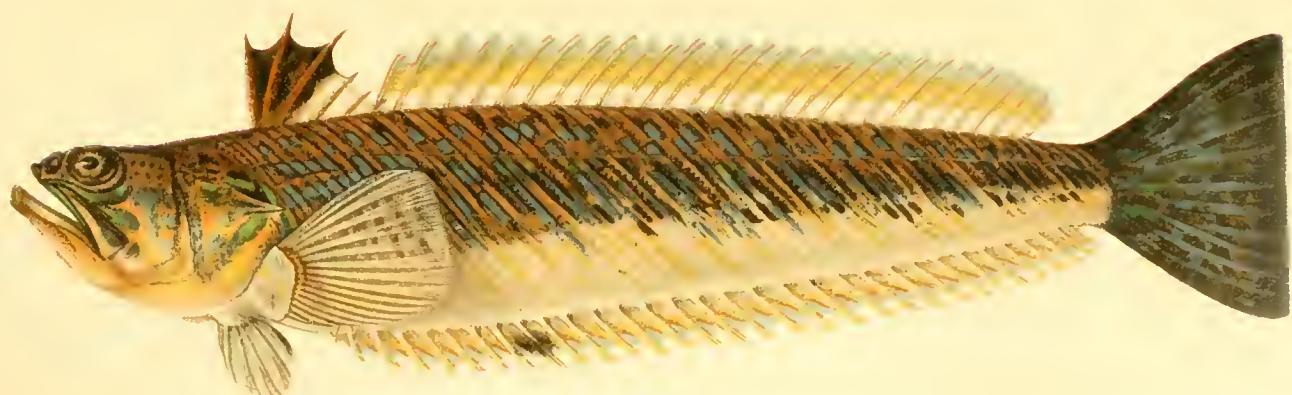
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1.



2.



3.

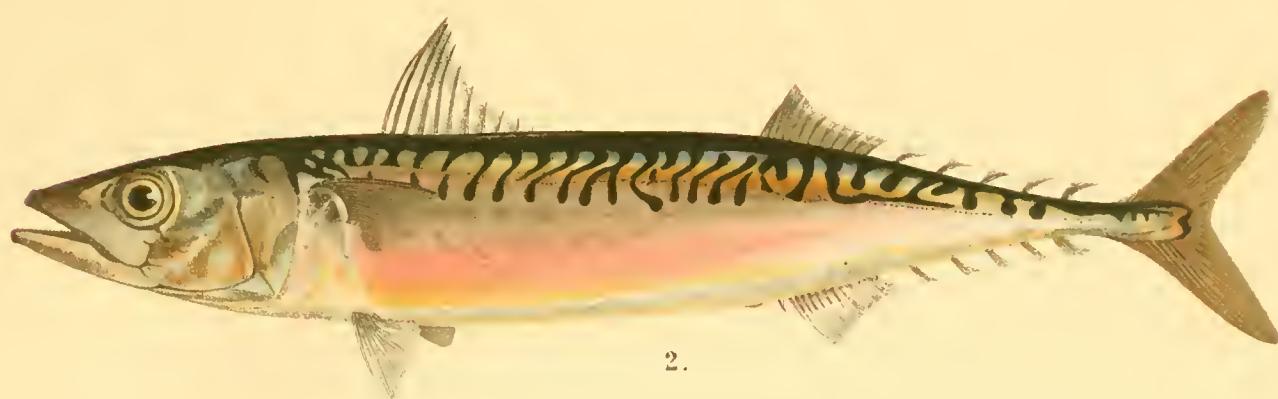
1: *Mullus barbatus*, 2: *Sebastes marinus*, 3: *Trachinus draco*

Fig 1 C Erdmann pinx  
2 et 3 W v Wright pinx





1.



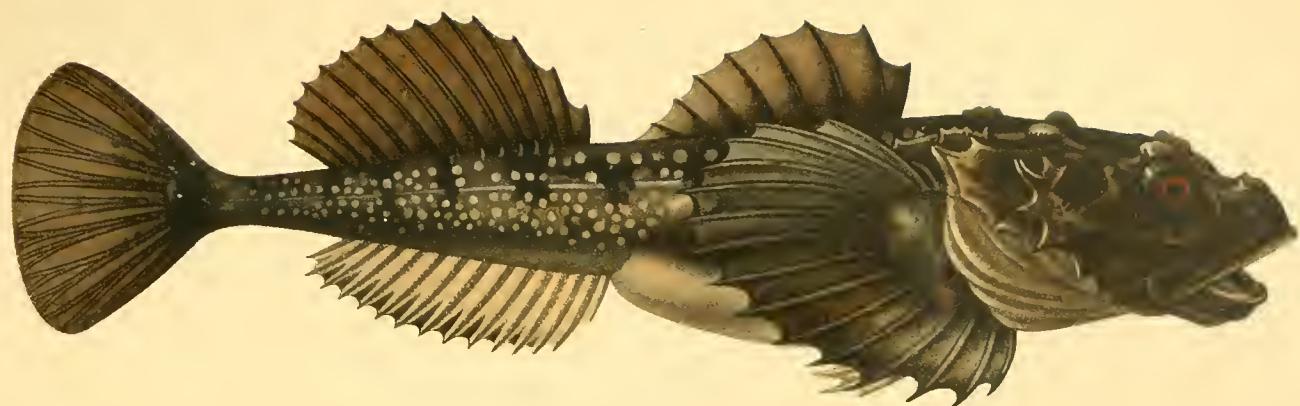
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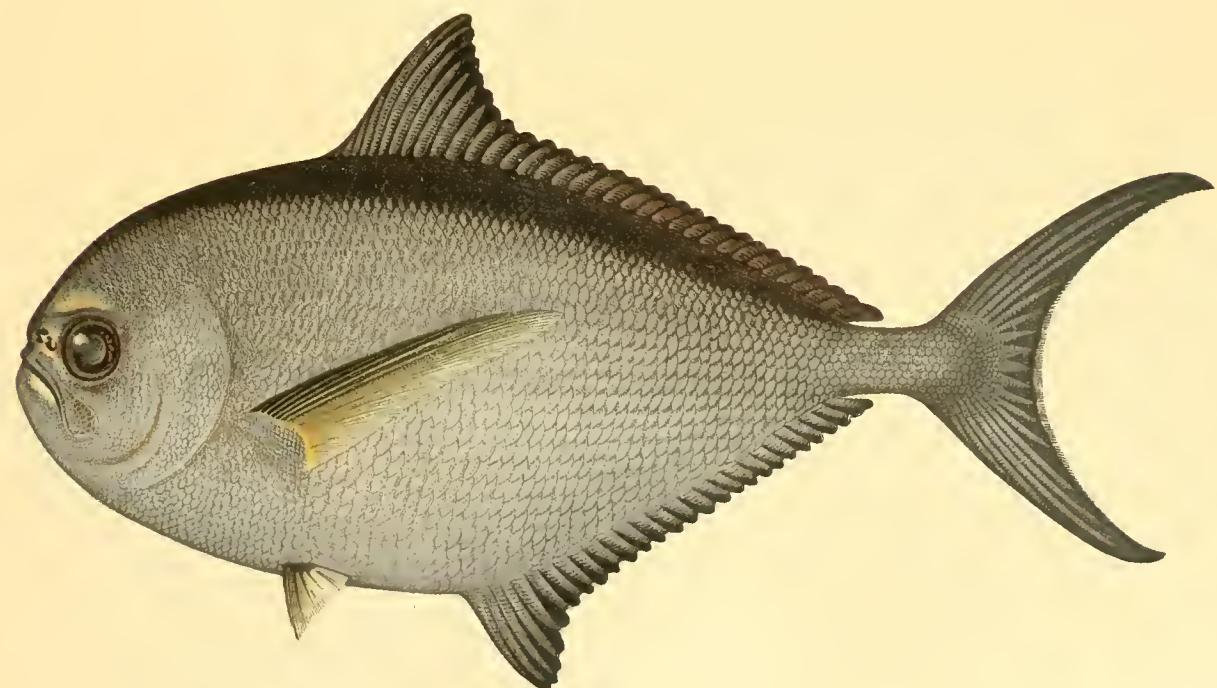
3.

1: *Agonus cataphractus*; 2: *Scomber scombrus*; 3: *Caranx trachurus*.

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2.



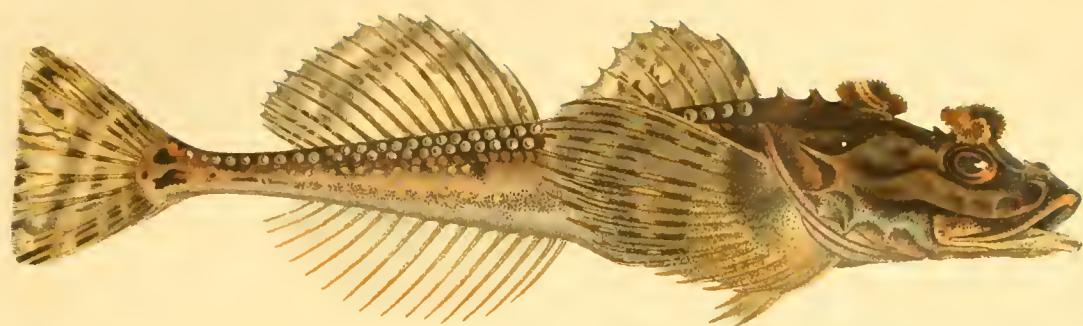
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1: *Brama Raii*; 2: *Cottus quadricornis*, ♀.

W v Wright pinx.



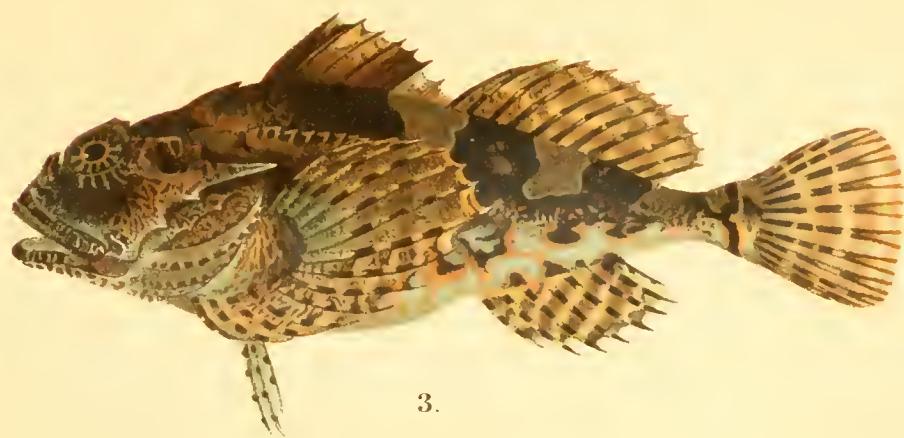




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2.



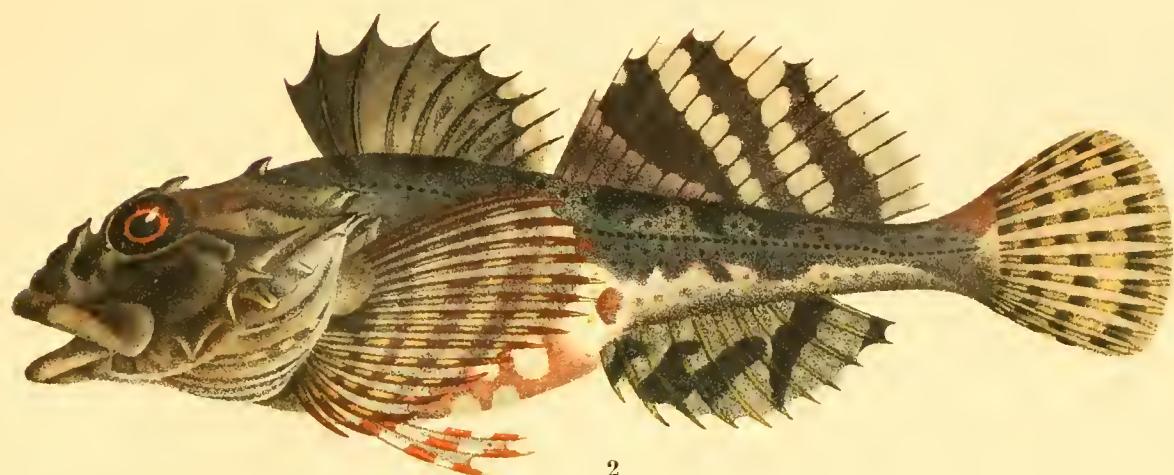
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1: *Cottus quadricornis*; 2 et 3: *Cottus bubalis*, 2 = ♂, 3 = ♀.





1.



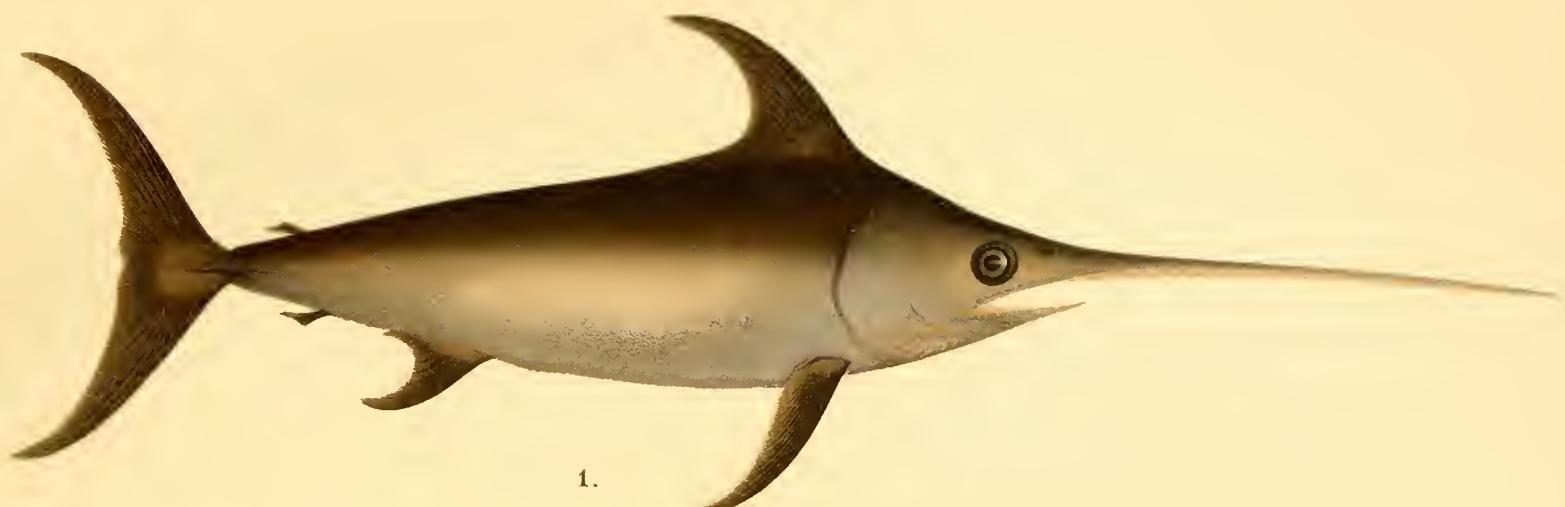
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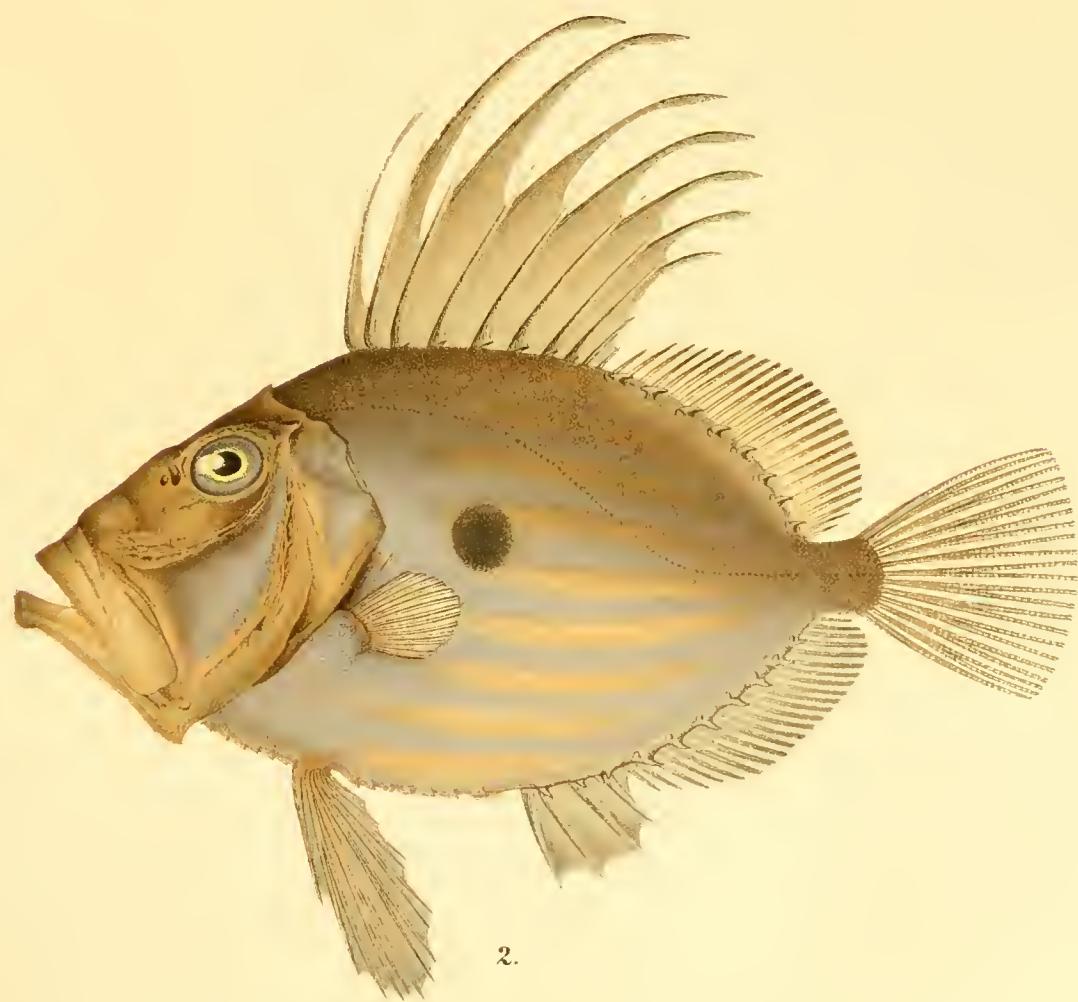
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1: *Cottus gobio*; 2 et 3: *Cottus scorpius*, 2-♂, 3-♀

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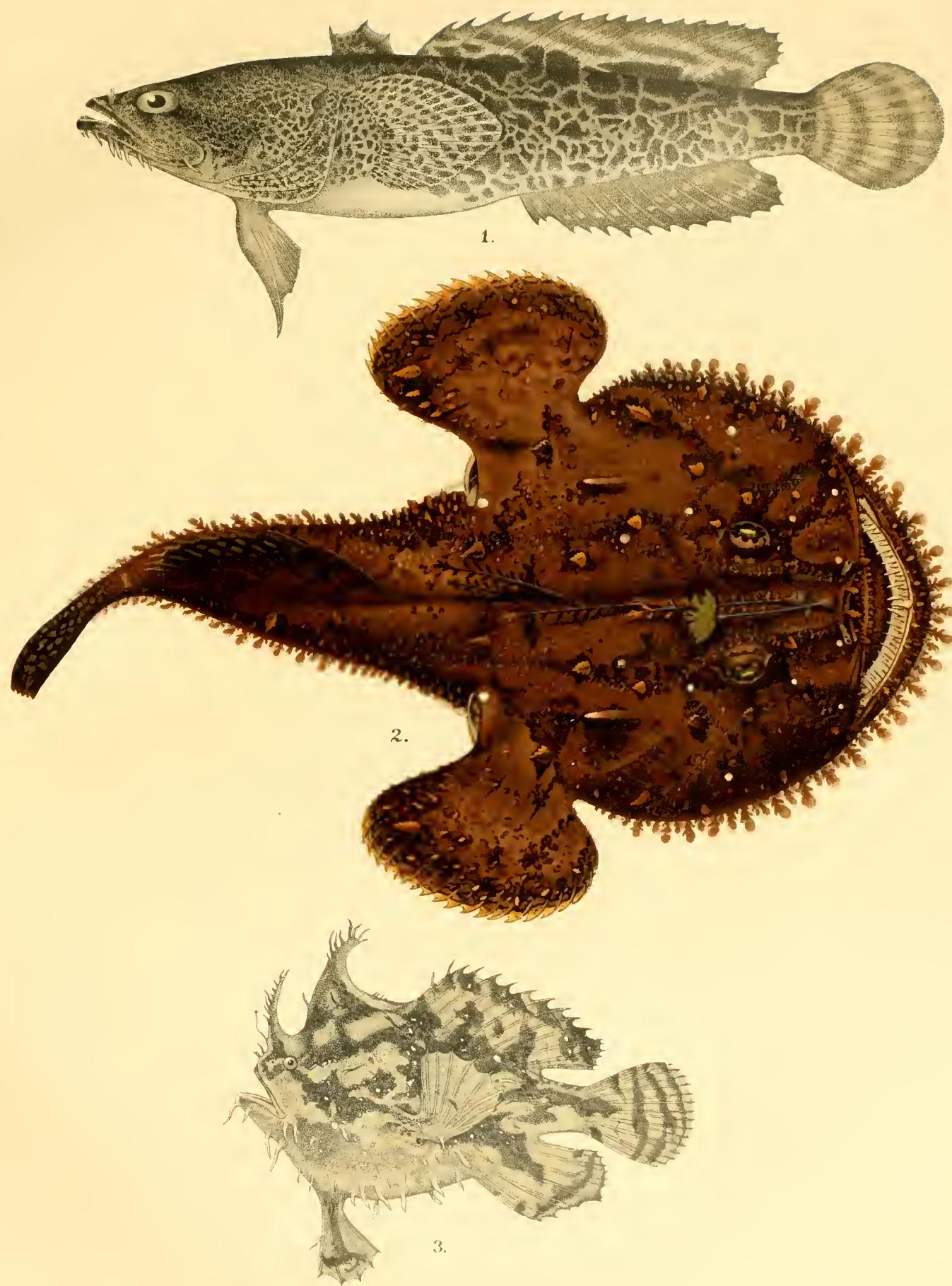
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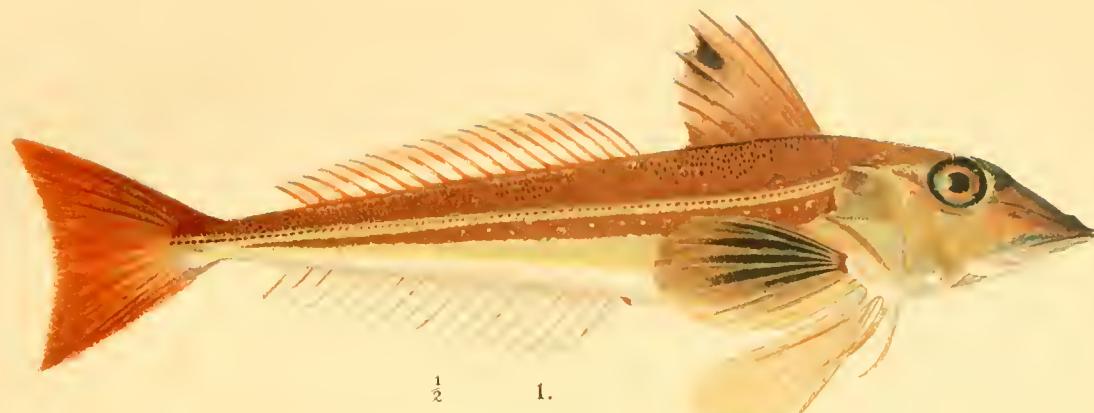
1: *Xiphias gladius*; 2: *Zeus faber*.





1: *Batrachus didactylus*; 2: *Lophius piscatorius*; 3: *Antennarius histrio*.

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$\frac{1}{2}$  1.



2.



$\frac{2}{1}$  3.



$\frac{1}{1}$  4.



$\frac{1}{1}$  5.



$\frac{3}{4}$  6.

1: *Trigla gurnardus*; 2 et 3: *Chirolophis galerita*; 4: *Lumpenus maculatus*,  
5: *Lumpenus lampretiformis*; 6: *Pholis gunellus*.



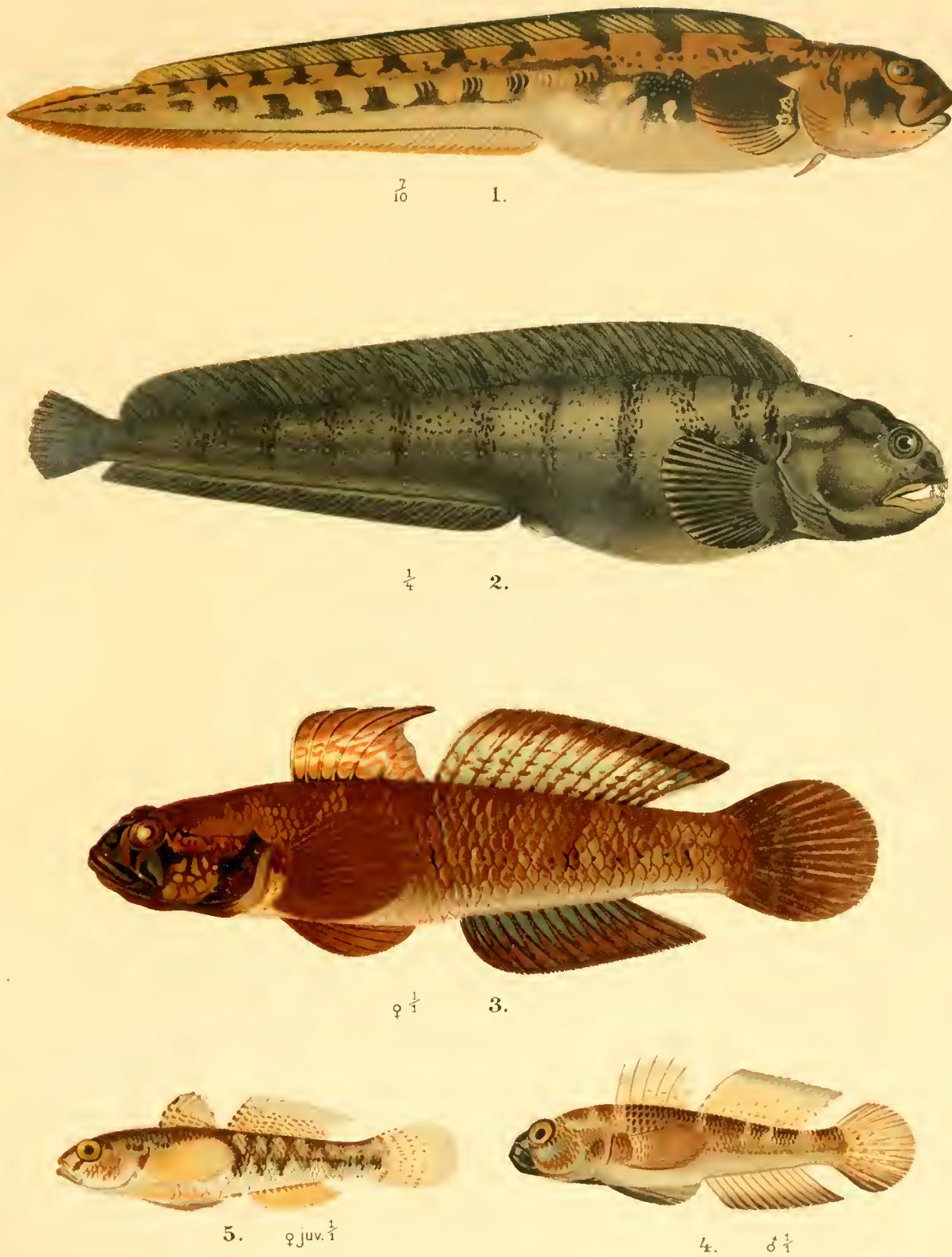
1: *Enchelyopus viviparus*, 2: *Anarrhichthys lupus*, 3-5: *Gobius niger*.

Fig 1-4 W v Wright pinx, fig 5 Thormain (apud Malm) pinx





3.



4.



5.



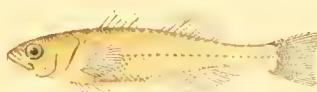
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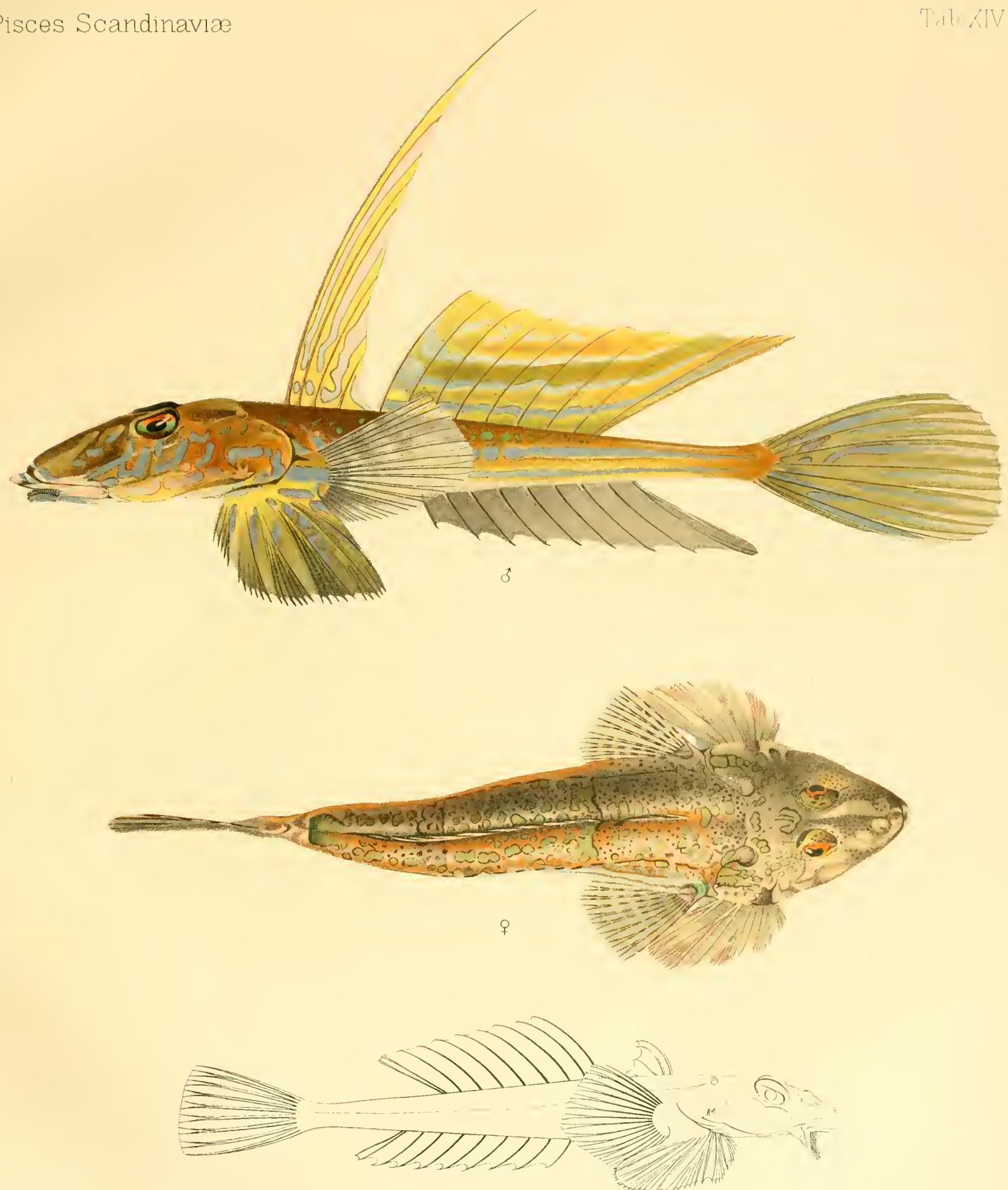


2.

Fig. 1: *Anarrhichas minor*; 2: *Anarrh. latifrons*; 3 et 4: *Gobius flavescens*; 5: *Gob. microps*;  
6: *Gob. pictus*; 7: *Gob. minutus*; 8 et 9: *Aphya minuta*.

Fig. 1 et 2 C Erdmann pinx, 3 W v Wright pinx, 4-9 Thronam apud Malm pinx





*Callionymus lyra.*

W. v. Wright pinx.



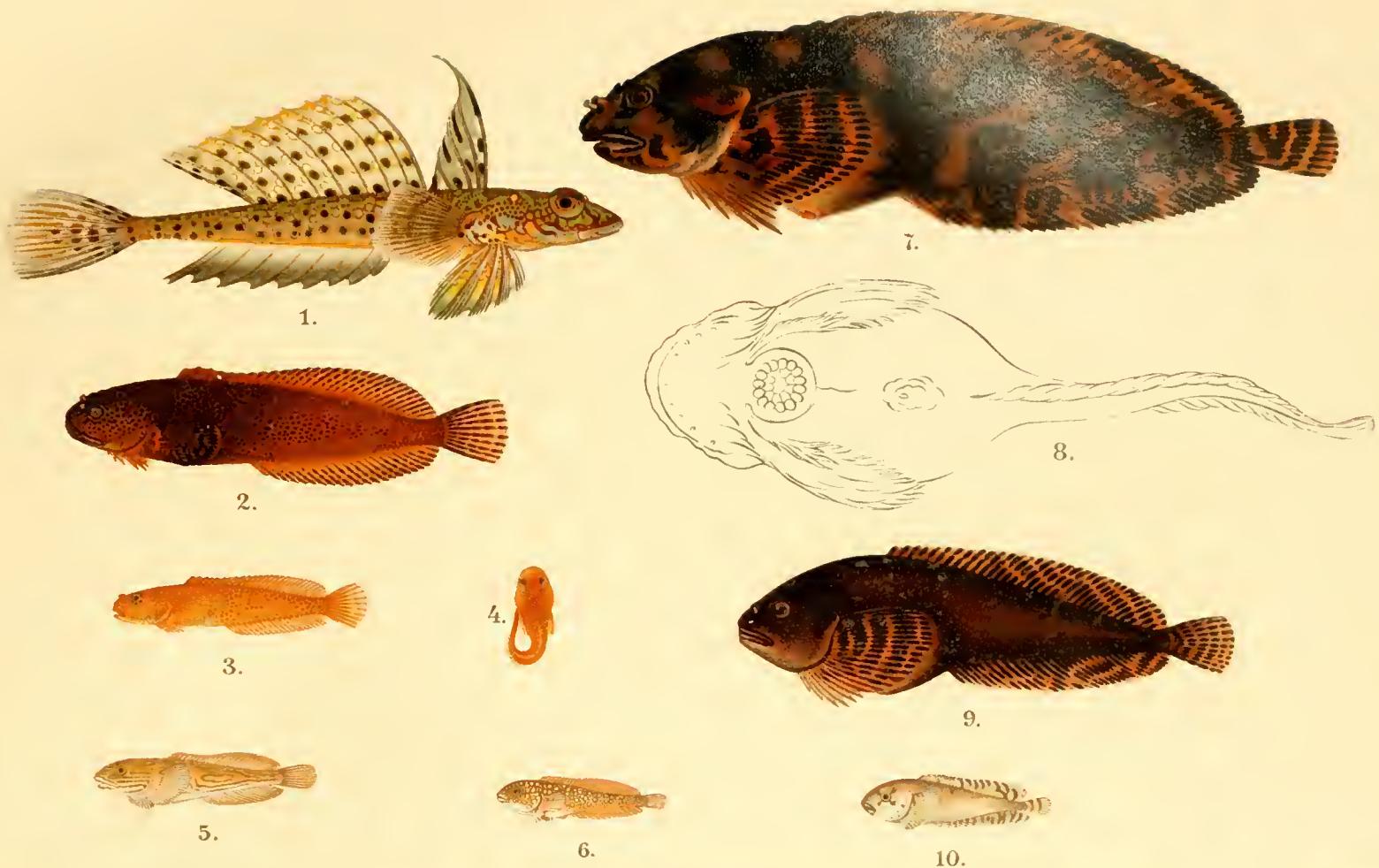
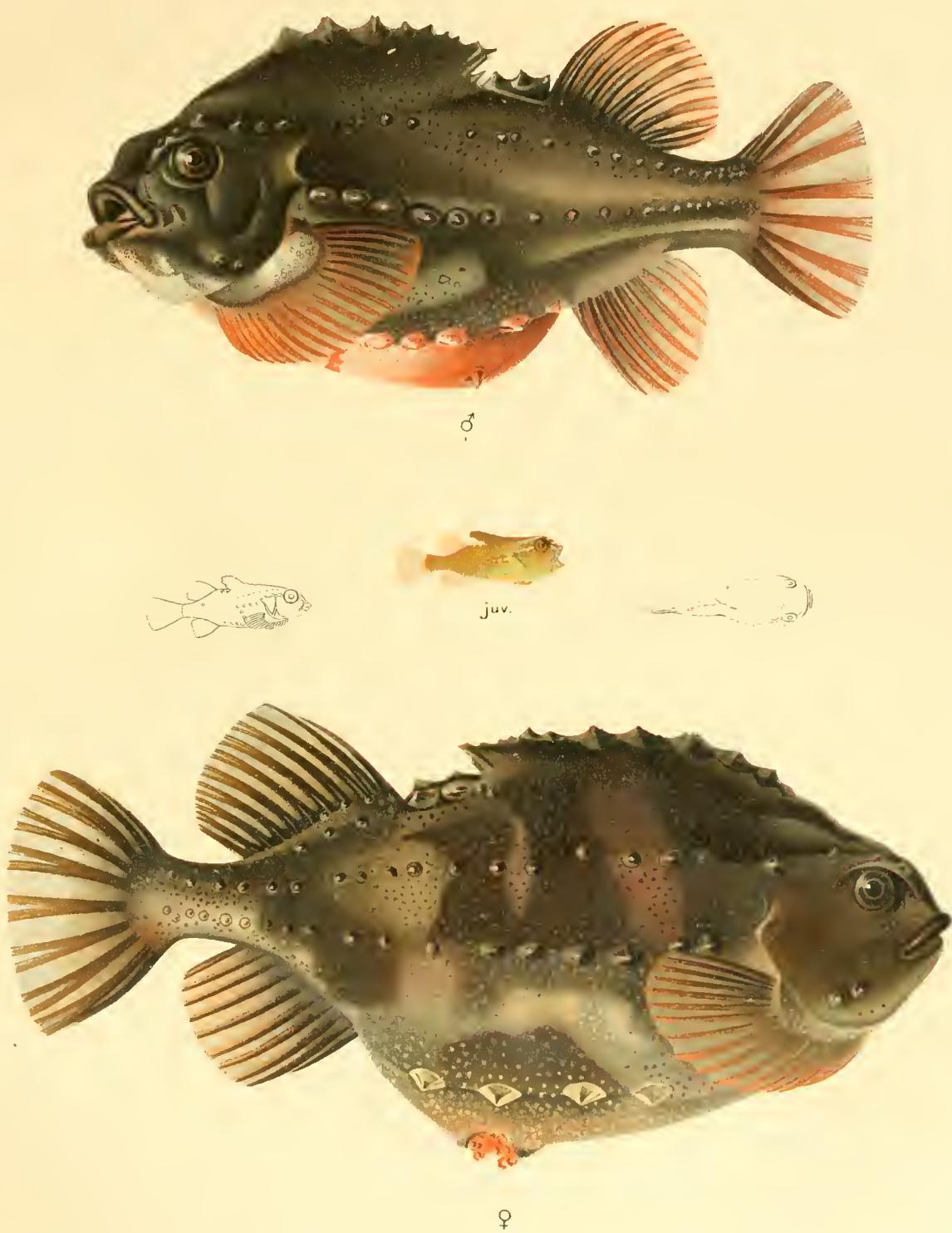


Fig 1: *Callionymus maculatus*; 2-6: *Cyclogaster Montagui*; 7-10: *Cycl. liparis*; 11: *Mugil chelo*.





Cyclopterus lumpus.

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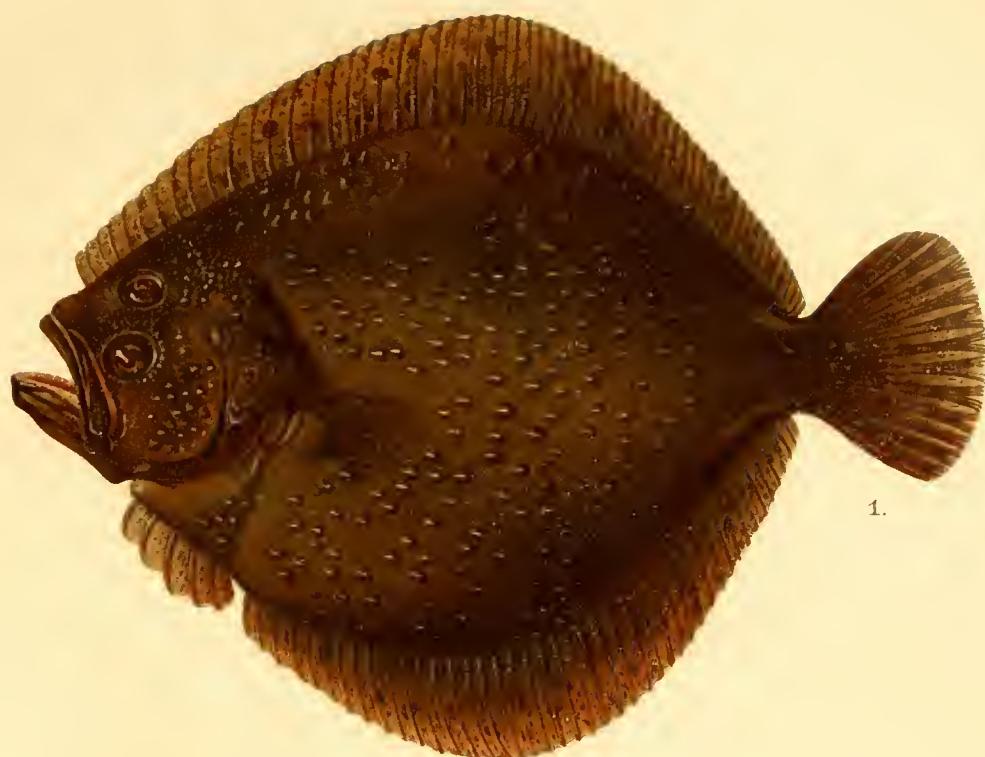


1 et 2: *Hippoglossus vulgaris*, juv. et sen.; 3: *Drepanopsetta plattessoides*.

Fig. 1 C. Erdmann pinx

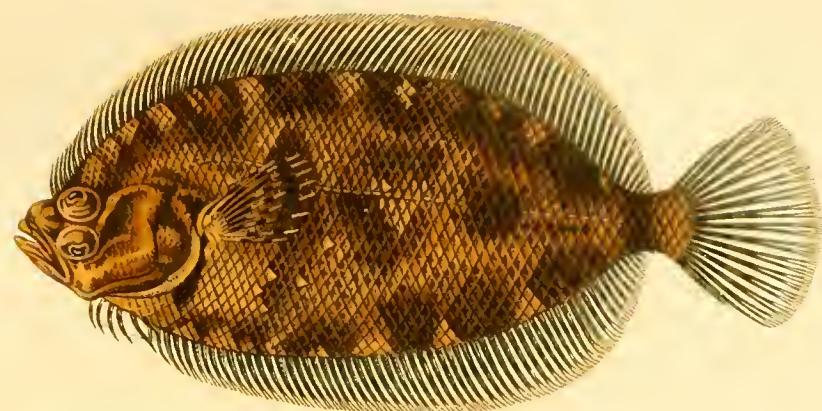
„ 2 et 3 W. v. Wright pinx





1: *Bothus maximus*; 2: *Bothus rhombus*.

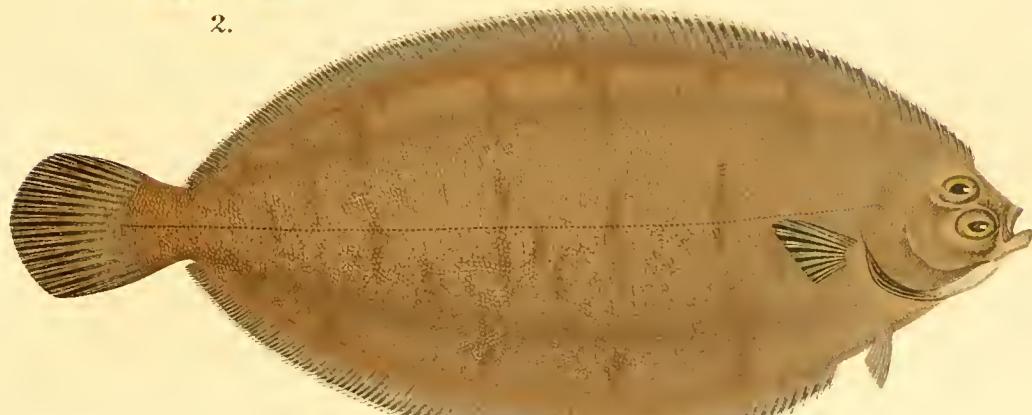




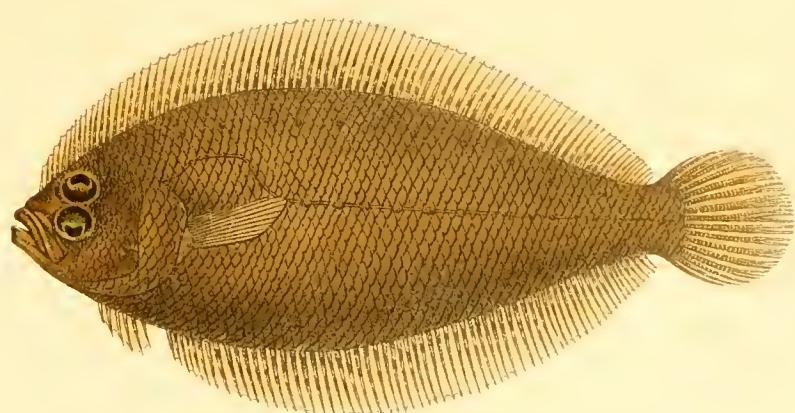
1.



2.



3.



4.

1: *Scophthalmus norvegicus*; 2: *Zeugopterus punctatus* juv.  
3: *Pleuronectes cynoglossus*; 4: *Arnoglossus laterna*.

Fig. 1 et 2- W. v Wright pinx. fig. 3 C. Erdmann pinx.  
" 4 Thormann pinx. (apud Malm)





1.



2.



3.

1: *Pleuronectes microcephalus*; 2: *Solea vulgaris*; 3: *Pleuronectes limanda*.





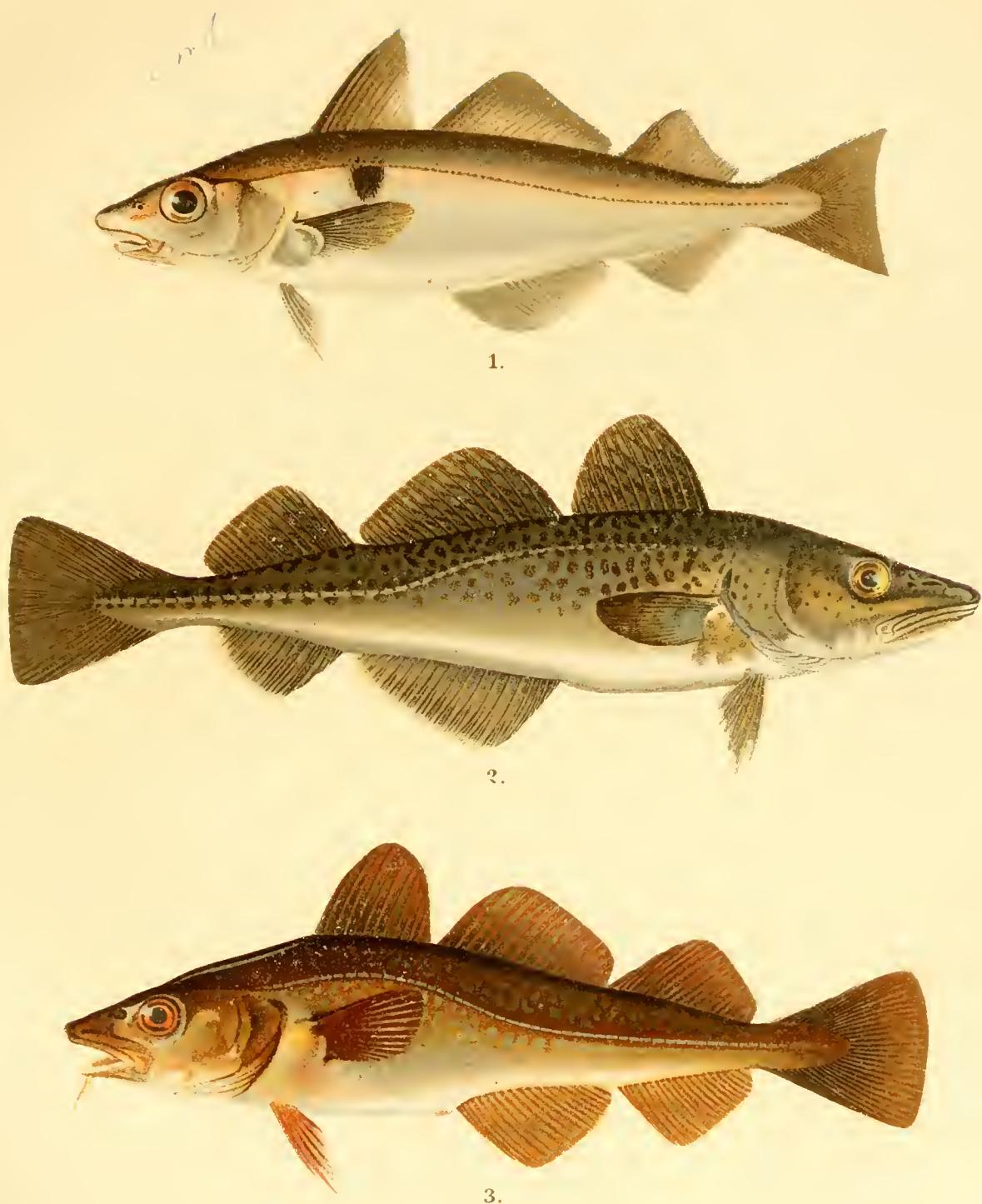
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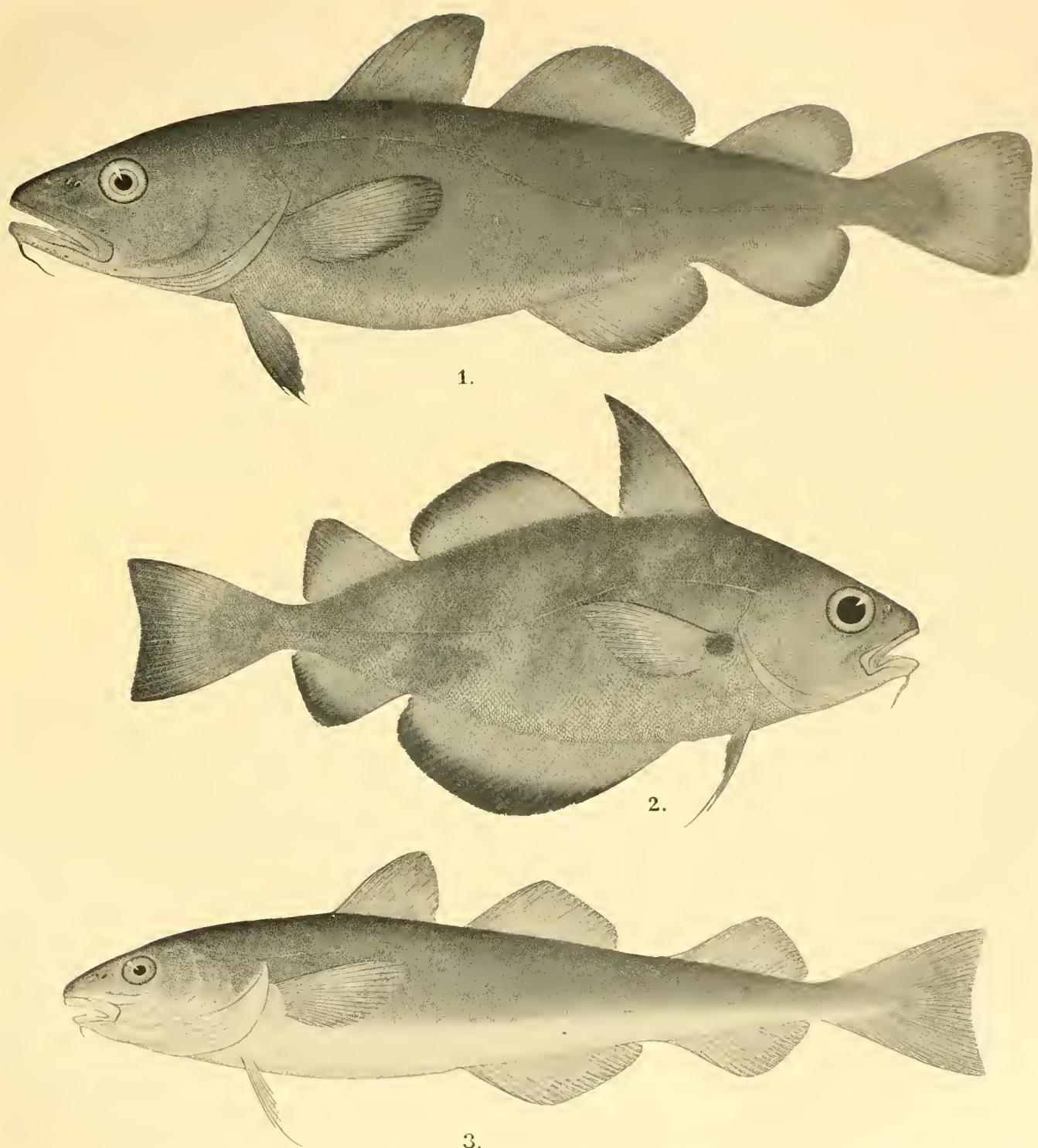
1: *Pleuronectes flesus*; 2: *Pleuronectes platessa*.





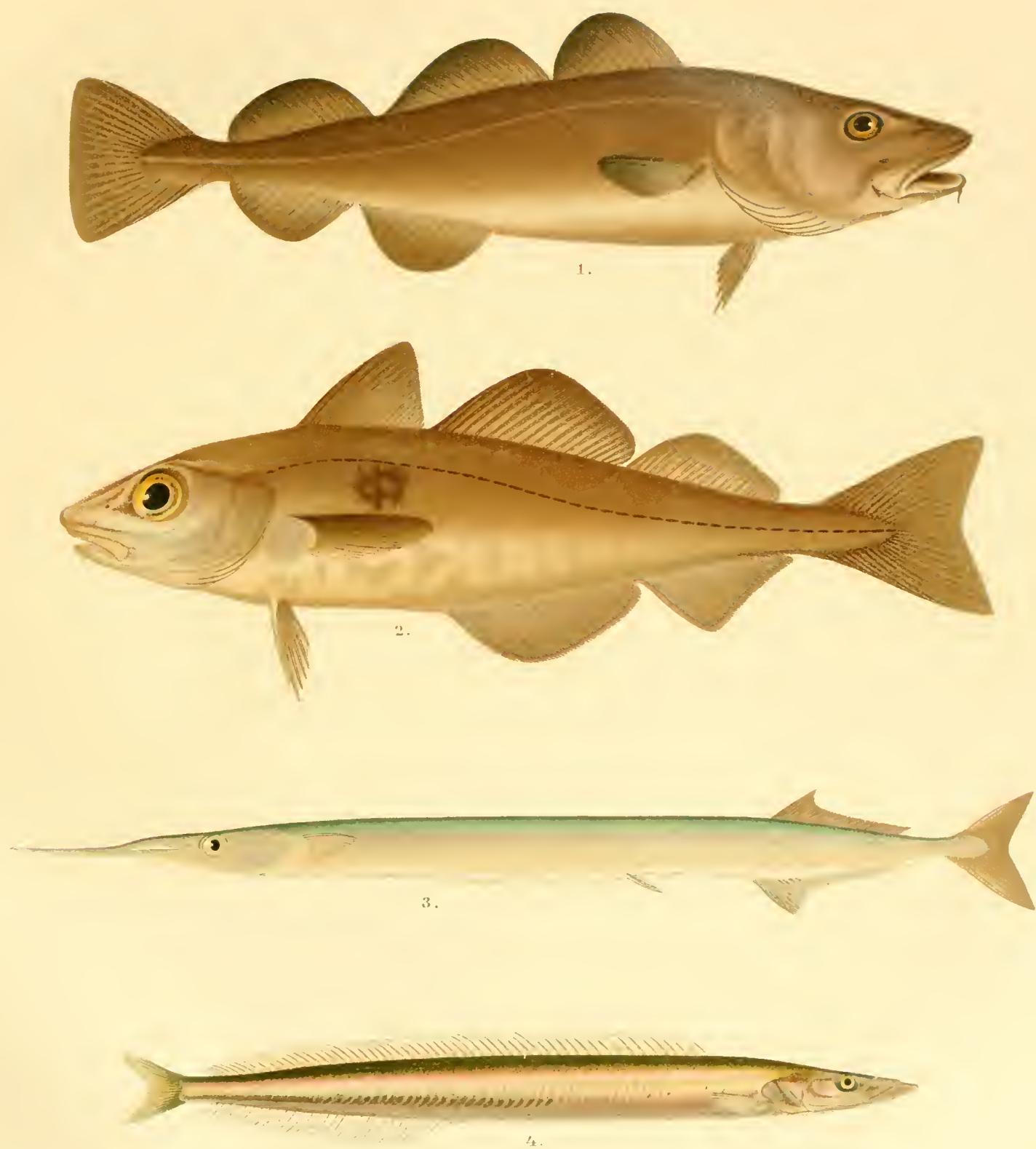
1: *Gadus æglefinus*, 2 et 3: *Gadus callarias*.





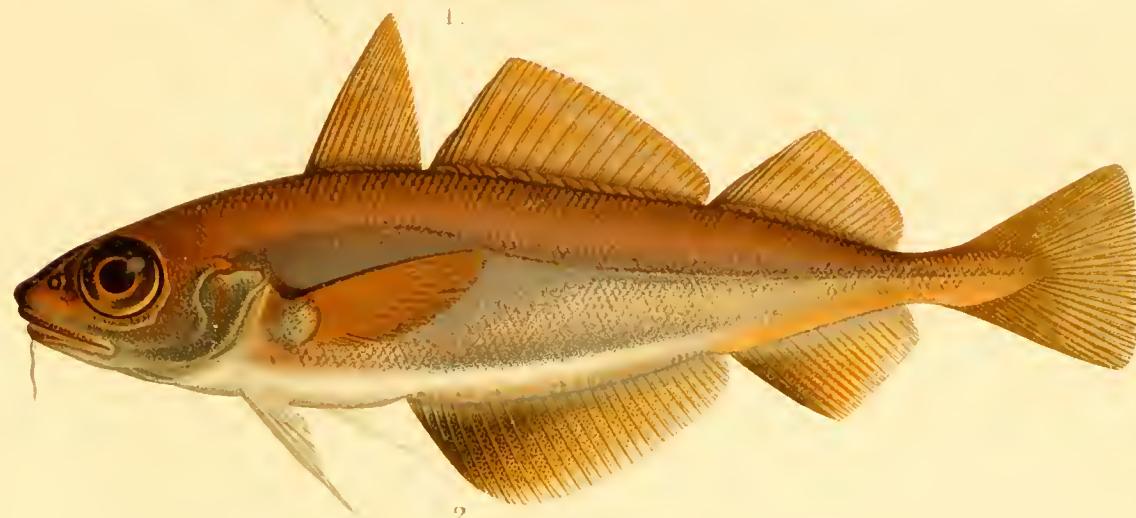
1: *Gadus ogac*; 2: *G. luscus*; 3: *G. gracilis*.





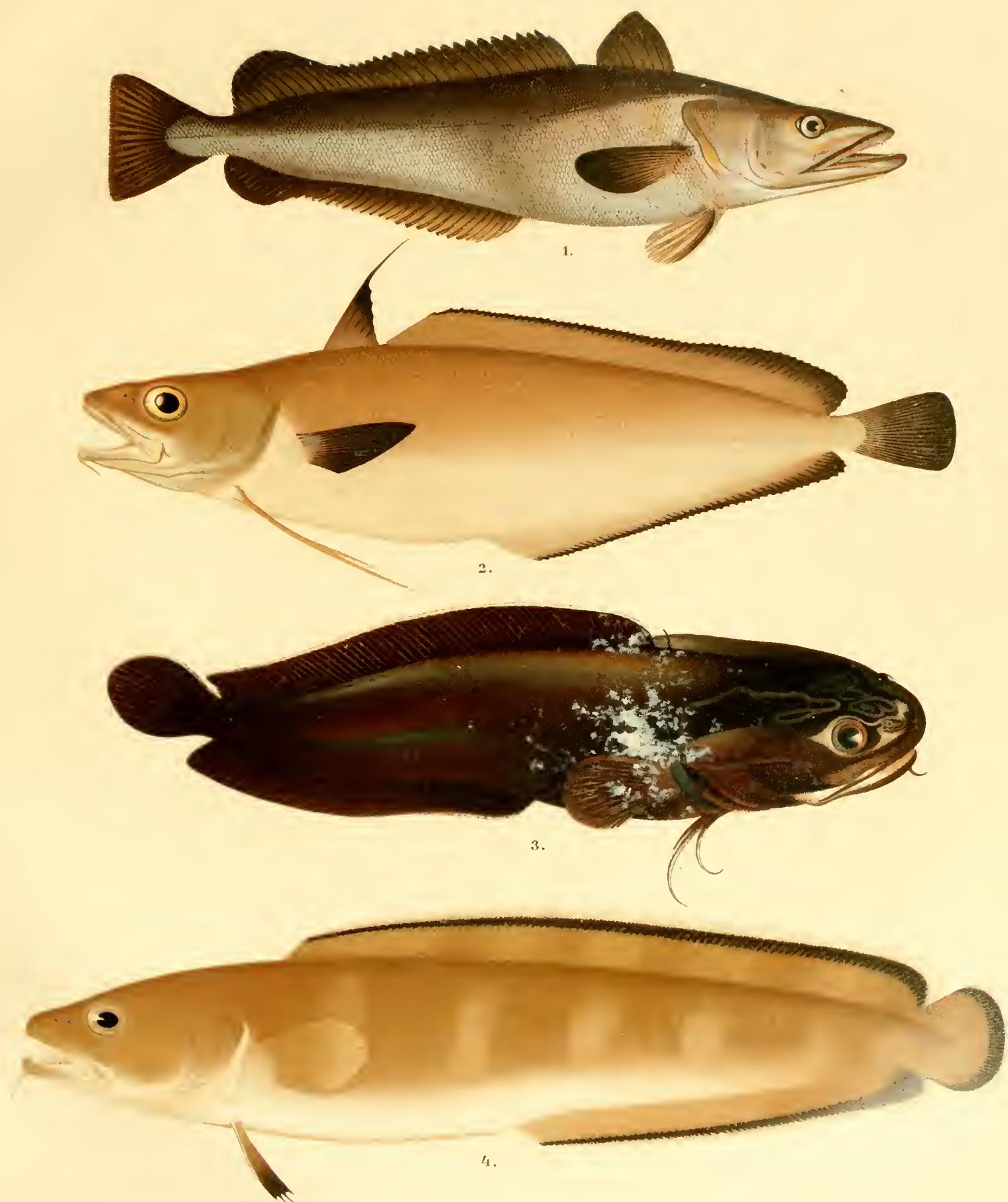
1: *Gadus callarias*; 2: *Gadus æglefinus*; 3: *Rhamphistoma belone*; 4: *Ammodytes lanceolatus*





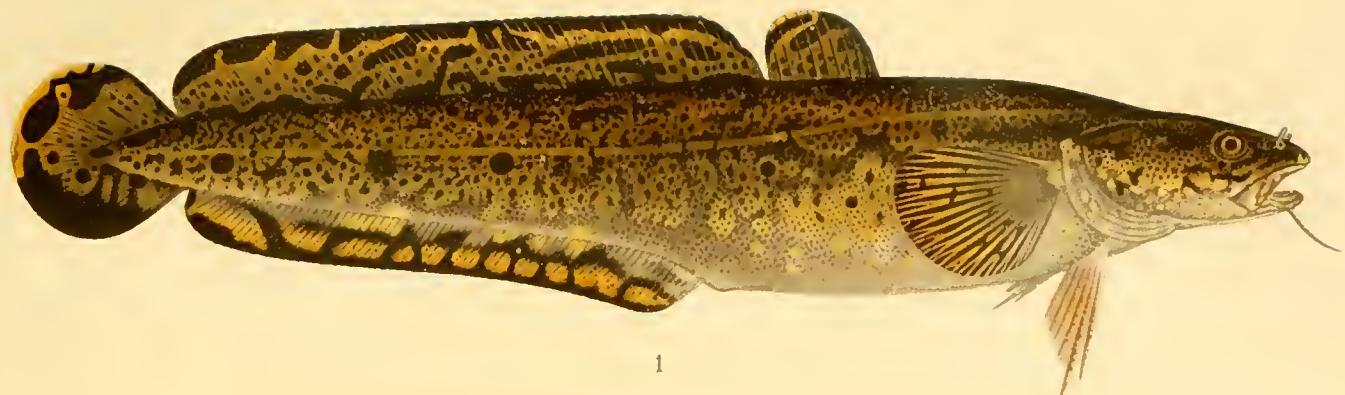
1: *Gadus merlangus*, 2: *G. minutus*, 3: *G. pollachius* 4: *G. virens*.



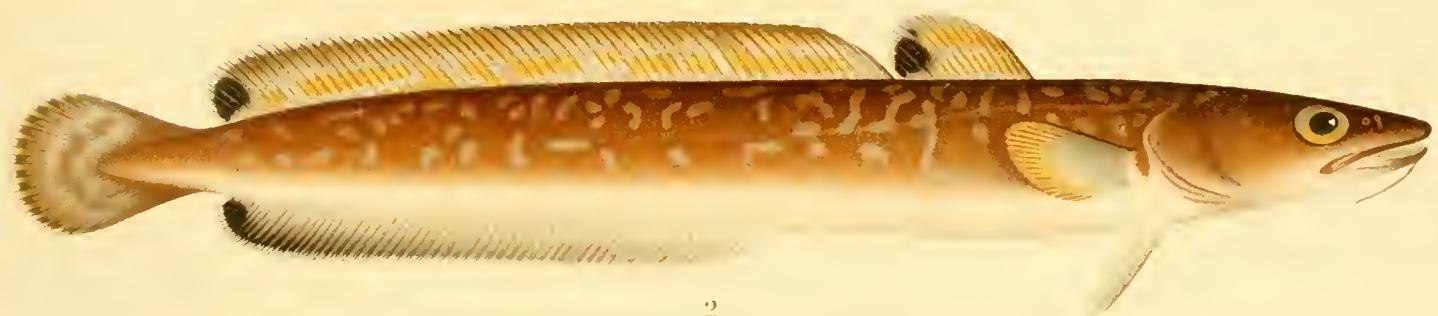


1: *Merluccius merluccius*; 2: *Phycis blennoides*; 3: *Raniceps raninus*; 4: *Brosmius brosme*.

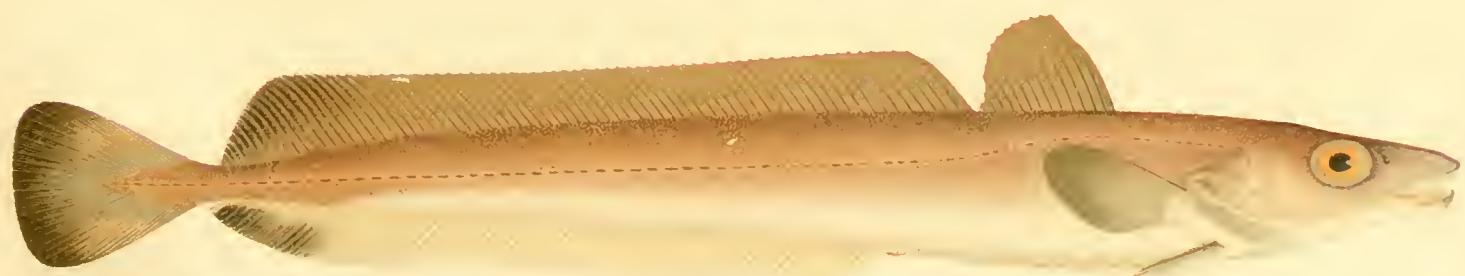




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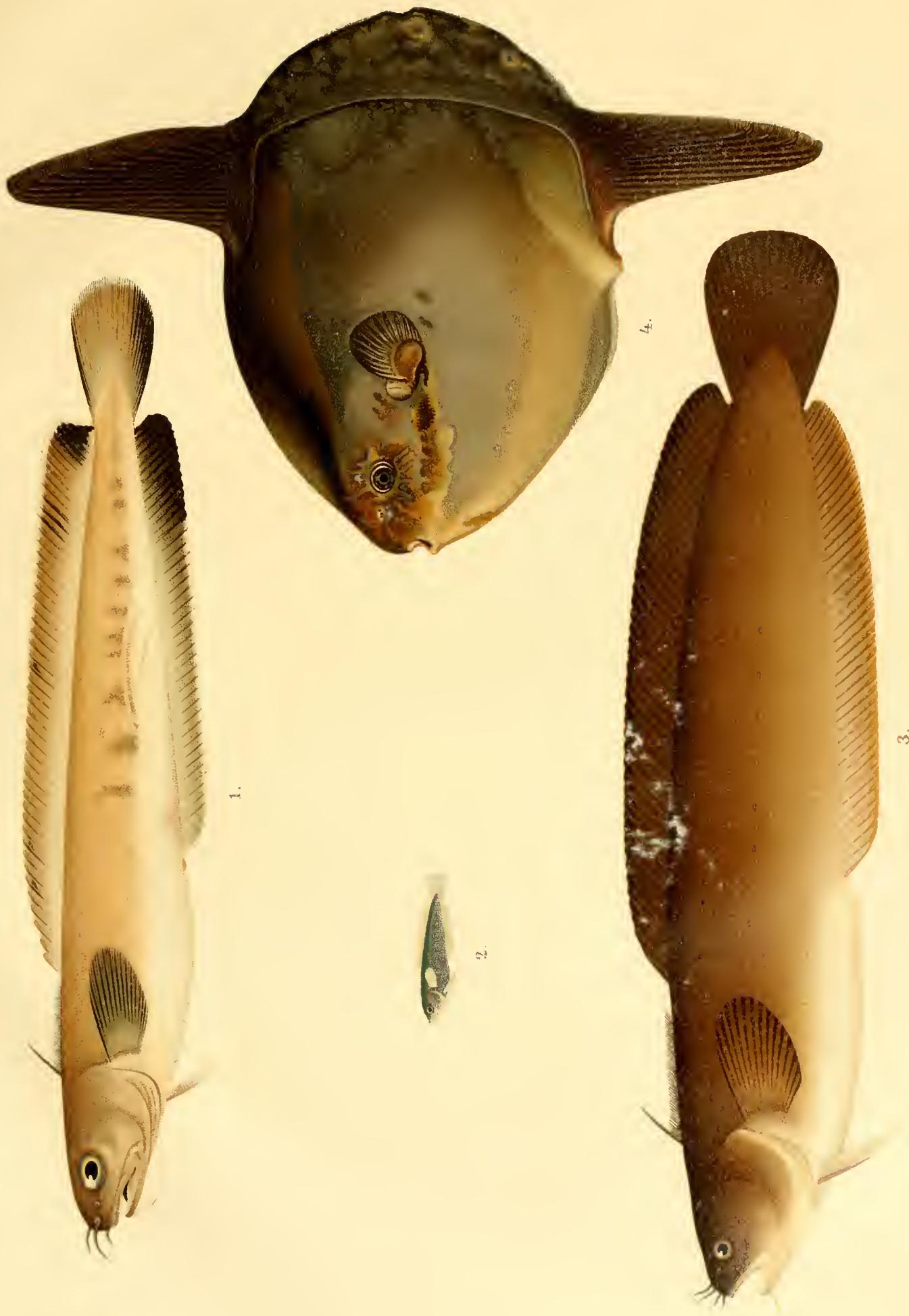
2.



3.

1: *Lotta lota* (L.) 2: *Melanophryne* (M.) *albomaculata*





1: *Onos cimbricus*; 2 et 3: *On. mustela*; 4: *Orthagoriscus mola*

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